In the Claims

Amend the Claims as follows:

1. Canceled.

2. (Currently amended) A display monitor system; comprising:

a digital display panel (108) with an array of pixels (114) for user viewing, ~~and for accepting pixel information in a plurality of formats and standards, and for adapting itself to provide any real-time pixel information directly to target pixels in said array of pixels~~ and including an automatic refresh in which said pixels (114) provide pixel read-out data similar to a dynamic random access memory (DRAM) so a new complete frame of video information is not continuously required to maintain a picture display; and

~~at least one~~ a transducer for providing pressure, temperature, light, or strain sensor read-out data, ~~disposed in the digital display panel~~ and that is associated with a particular pixel (114), and ~~such that a measurement it obtains can be read out~~ having a direct connection (116) for directly affecting a visual quality of said particular pixel (114) without any involvement of a peripheral or a processor.

3. (Currently amended) The display monitor system of claim 2, further comprising:

a gate driver (110) to address the visual array (108) like a random access memory (RAM), and to write pixel (114) information, and to read corresponding transducer (116) measurements from row-column addresses; and

a plurality of transducers (112) disposed in the digital display panel (108) wherein each is associated with ~~at least one~~ a corresponding pixel (114), and such that a measurement each sensor obtains can be individually read out.

4-8. Canceled.

9. (Currently amended) A method for ~~interactive~~ making a video display to operate interactively, comprising:

~~displaying a dot of picture information in a pixel of~~ configuring a digital display panel (108) to include an array of pixels (114) that can be addressed for writing or reading like a dynamic random access memory (DRAM) by row and column addresses;

associating a sensor (112) able to produce a pressure, temperature, light, or strain sensor read-out data, ~~and locating it proximate to said~~ with a collocated pixel (114); and

coupling said sensor to said pixel such that a measurement signal obtained from said sensor (112) is directly connected (116) to said pixel (114) to enable an otherwise unassisted affect on a ~~affects the~~ visual ~~appearance~~ quality of said pixel ~~to a user~~.

10-11. Canceled.

12. (New) The method of claim 9, further comprising:

independently scaling column and row information without buffering, and without transformation by a peripheral or host processor, by inputting incoming pixel data to a shift register (204, 304) at its 100% rate and clocking it through at another rate that scales picture information to said digital display panel (108).

13. (New) A display monitor system; comprising:

a digital display panel (108) with an addressable array of pixels (114) for user viewing;

an automatic refresh in which said pixels (114) provide pixel read-out data similar to a dynamic random access memory (DRAM) so a new complete frame of video information is not continuously required to maintain a picture display; and

a transducer (112) for providing pressure, temperature, light, or strain sensor read-out data.

14. (New) A display monitor system; comprising:

a digital display panel (108) with an addressable array of pixels (114) for user viewing; and

a transducer (112) for providing pressure, temperature, light, or strain sensor read-out data, and that is associated with a particular pixel (114); and a direct connection (116) from the transducer (112) for directly affecting a visual quality of said particular pixel (114) without any involvement of a peripheral device or a processor.